

## ABSTRACT OF THE DISCLOSURE

A method of compressing sounds in mobile terminals according to the present invention transforms pulse code modulation (PCM) codes, which are source data of bell sounds using recorded sounds or voice memos and are generated by sampling the sounds, through applying a differential method and, then, compresses the PCM codes using Lempel Ziv Welch (LZW) compression technique, thus reducing a storage space required for storing bell sounds using sounds or voice memos in mobile terminals. The method comprises: initializing differential code corresponding to difference between adjacent PCM codes among PCM codes generated by sampling input sounds, in a dictionary table; sequentially reading PCM codes generated by sampling actually inputted input sounds, transforming the PCM codes into corresponding differential codes initialized in the dictionary table, and outputting the differential codes; and registering the outputted differential codes in a dictionary through dictionary generation algorithm. According to the present invention, compression efficiency is maximized upon using LZW algorithm by transforming PCM code through applying differential method, thereby increasing restoration efficiency of original sounds and heightening compression efficiency by about 50%, compared with the existing compression storage method using ADPCM.